

HAPPENINGS at the SAB

...ensuring a solid technical basis for environmental protection

Volume 7 Number 6

June 2002



The EPA Science Advisory Board - Work in Progress

EDITORIAL

Urban renewal takes many forms.

Most of you are familiar with the signs of new construction as you drive your car or as you walk around your city, town or neighborhood. Roads and interchanges are being built or upgraded; new homes and buildings are going up, there are signs, heavy equipment, barriers, busy people and lots of noise.

The signs of construction are far less obvious here in the EPA Science Advisory Board Staff Office, although we too are undergoing significant new construction. Our construction is focused on new process and staffing changes. While less noisy and obvious, the changes we are undergoing are fundamental and profound. It is unusual for an organization to change so

much in such a short period of time. It is both exciting and exhausting.

From a process perspective, our most significant changes are in the evaluation and revision of the way we form peer review panels. Some of these changes are a result of the June 2001 US General Accounting Office (GAO) report that made recommendations on the topic, while other changes come from our continuing efforts to improve our way of doing business. Like roadside construction, there are signs for our work too, but the signs are more subtle. Observers notice what is happening by reading Federal Register notices announcing opportunities for public participation in our panel process, or reading our website to see the list of candidates being considered for new panels. Another sign is the increased time it takes to create a new peer review panel, an obvious result of the new process and one we are working to shorten. Our efforts in the process arena have been documented previously here and on our website.

It is our goal to make this panel selection process as transparent as possible, obtain the best and widest possible input resulting in high quality reviews, and reduce the overall time required to conduct these reviews. This process, and our commitment to quality peer review, continues.

The other sign of new construction is in

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the area of SAB Staffing. While every organization has some turnover, it has been unusual for the SAB to lose more than one staff member at any given time in recent history (i.e., going back some 20 years). However, in one short period at the beginning of this year we quickly lost three staff to retirement or promotions. Since then, three others have departed with the possibility of another this summer. For a Staff of 18, such losses are very significant as it takes time to train new Designated Federal Officers and other support staff. The change was made even more complex because it involved the departure of the Staff Director and the Deputy Staff Director within a two-month period.

On the bright side, I can see that we are bouncing back and that the end of this fiscal year will bring positive changes. We are experimenting with alternative staffing (see the Staff News Section of this issue), hiring new staff members, reassigning work, expanding duties, forming teams, working harder (and of course, smarter), and prioritizing work. It has been very focused and

intense at times, but we are turning the corner. The new Staff Director, Dr. Vanessa Vu joined us on June 3 and will help us focus our efforts. We hope to be back to a full staff by fall, just in time for the FY2003 project review cycle.

As the new project requests arrive in early June for FY2003, we will again embark on a year filled with interesting new work and opportunities to interact with the Agency and the public, as we continue our mission to provide high quality advice to the Agency on numerous important projects.

We look forward to the challenge.

A. Robert Flaak,
Acting Deputy Staff Director

TENTATIVE SAB MEETING CALENDAR FOR JUNE & JULY

Several of the Federal Advisory Committee Act (FACA) meetings noted below have been announced in the Federal Register (FR), together with additional background information. Readers can automatically receive e-mailed copies of FR Notices by subscribing to the SAB Listserver; see Section Updates below.

If a series of meetings is anticipated, the number of the meeting in the series is indicated in parentheses; e.g., "(#2)".

JUNE



5F

Committee:	Environmental Health Committee (EHC)
Topic(s):	Trichloroethylene Health Risk Assessment
Location:	Ariel Rios Building, Room 6013, Teleconference
Chair:	<i>Dr. Henry Anderson, Wisconsin Division of Public Health</i>
DFO:	<i>Dr. Angela Nugent</i>
Email:	nugent.angela@epa.gov

11F

Committee:	Drinking Water Committee (DWC)
Topic(s):	Candidate Contaminants List Follow-up, 6-Year Review Process, and Planning
Location:	Ariel Rios Building, Room 6013, Teleconference
Chair:	<i>Dr. Rhodes Trussell, Montgomery Watson Harza Engineering</i>
DFO:	<i>Mr. Thomas Miller</i>
Email:	miller.tom@epa.gov

Happenings at the Science Advisory Board

13	Committee:	Environmental Economics Advisory Committee (EEAC)
	Topic(s):	Affordability and OW Trading Policy
	Location:	Holiday Inn Hotel & Suites, Alexandria, VA
	Chair:	<i>Dr. Robert Stavins, Harvard University</i>
	DFO:	<i>Mr. Thomas Miller</i>
	Email:	miller.tom@epa.gov
18F	Committee:	Executive Committee (EC) Subcommittee
	Topic(s):	Benefits, Costs and Impacts of RCRA Subtitle C & Ust Programs
	Location:	Ariel Rios Building, Room 6013, Teleconference
	Chair:	<i>Dr. A. Myrick Freeman, Bowdoin College</i>
	DFO:	<i>Dr. K. Jack Kooyoomjian</i>
	Email:	kooyoomjian.jack@epa.gov
18-19	Committee:	Environmental Health Committee (EHC)
	Topic(s):	Trichloroethylene Health Risk Assessment
	Location:	RESOLVE, 155 23 rd Street, Washington, DC
	Chair:	<i>Dr. Henry Anderson, Wisconsin Division of Public Health</i>
	DFO:	<i>Dr. Angela Nugent</i>
	Email:	nugent.angela@epa.gov
27F	Committee:	Radiation Advisory Committee (RAC)
	Topic(s):	Multi-Agency Radiological Laboratory Analytic Protocols
	Location:	Ariel Rios Building, Room 6013, Teleconference
	Chair:	<i>Dr. Janet Johnson, Shepherd Miller, Inc.</i>
	DFO:	<i>Dr. K. Jack Kooyoomjian</i>
	Email:	kooyoomjian.jack@epa.gov

JULY



8F

Committee: Executive Committee (EC) Subcommittee
Topic(s): Policy and Procedures Subcommittee Discussions
Location: TBD, Teleconference
Chair: *Dr. Henry Anderson, Wisconsin Division of Public Health*
DFO: *Dr. Angela Nugent*
Email: nugent.angela@epa.gov

10-12

Committee: Executive Committee (EC) Subcommittee
Topic(s): STAA Review
Location: Closed
Chair: *Dr. Herb Ward, Rice University*
DFO: *Mr. A. Robert Flaak*
Email: flaak.robert@epa.gov

16-17

Committee: Executive Committee (EC)
Topic(s): Review Meeting
Location: RTP New Lab Building Conference Center, RTP, NC
Chair: *Dr. William Glaze, University of North Carolina*
DFO: *Mr. A. Robert Flaak*
Email: flaak.robert@epa.gov

18F

Committee: Environmental Health Committee (EHC)
Topic(s): Trichloroethylene Health Risk Assessment
Location: Ariel Rios Building, Room 6013, Teleconference
Chair: *Dr. Henry Anderson, Wisconsin Division of Public Health*
DFO: *Dr. Angela Nugent*
Email: nugent.angela@epa.gov

Happenings at the Science Advisory Board

18-19

Committee: Clean Air Scientific Advisory (CASAC)
Subcommittee
Topic(s): Particulate Matter Criteria Document Review and
PM Research Strategy and PM Multiyear Plan
Location: RTP New Lab Building Conference Center, RTP, NC
Chair: *Dr. Philip Hopke, Clarkson University*
DFO: *Mr. A. Robert Flaak*
Email: flaak.robert@epa.gov

July 30 - Aug 1

Committee: Radiation Advisory Committee (RAC)
Topic(s): MARSSIM Supplements and MARLAP II
Location: TBD
Chair: *Dr. Janet Johnston, Shepherd Miller, Inc.*
DFO: *Dr. K. Jack Kooyoomjian*
Email: kooyoomjian.jack@epa.gov

TBAF

Committee: Environmental Engineering Committee (EEC)
Topic(s): RROS
Location: TBD, Teleconference
Chair: *Dr. Domenico Grasso, Smith College*
DFO: *Dr. K. Jack Kooyoomjian*
Email: kooyoomjian.jack@epa.gov

TBA

Committee: Executive Committee (EC) Subcommittee
Topic(s): PBT/Evaluation of Metals & Metal Compounds
Location: TBD
Chair: *Dr. Valerie Thomas, Princeton University*
DFO: *Ms. Kathleen White*
Email: white.kathleen@epa.gov

To View a Tentative 6 Month Calendar Click Here
Or Go to the SAB website www.epa.gov/sab/mtgcal.htm

COMMITTEE
ACTIVITIES
IN MAY



On May 8, the SAB's Executive Committee (EC) met via a public teleconference to review reports of its committees and subcommittees. At this meeting, the EC approved the following reports for transmittal to the Agency: a) "A Framework for Reporting on Ecological Conditions: An SAB Report, prepared by the Ecological Processes and Effects Committee ; b) "USEPA's Surface Impoundment Study: An SAB Report", prepared by the Environmental Engineering Committee; c) "USEPA's LTESWTR/Stage II DBP Rule Proposal; An SAB Report", prepared by the Drinking Water Committee; d) "USEPA's Particulate Matter (PM) Research Centers: An SAB Report", prepared by the PM Research Centers Interim Review Panel, an ad hoc Subcommittee of the EC; e) "Progress in Improving the SAB's Panel Formation Process: An SAB Commentary", prepared by the Policies and Procedures Subcommittee, a standing Subcommittee of the EC; and f) "Southeastern Ecological Framework: An SAB Report", prepared by the Ecological Processes and Effects Committee. The next meeting of the EC will be on July 16-17, 2002 in Research Triangle Park, NC.

On May 9, the Executive Committee's Subcommittee on Benefits, Costs and Impacts of RCRA Subtitle C & Ust Programs met via teleconference. The Panel discussed the charge and adequacy of the review materials provided to the Panel, clarified any questions and issues

relating to the Charge and the review materials, discussed specific charge assignments to the Panelists, and clarified specific points of interest raised by the panelists in preparation for the face-to-face meeting to be held on May 20 and 21.

On May 20 -21, the Executive Committee's Subcommittee met to conduct a review of the UST Cleanup and RCRA Title C Program Benefits, Costs and Impacts (BCI) documents. In particular the Panel engaged in dialogue with the responsible Agency officials, received public comments, and began drafting their formal response to the charge questions, as well as debriefed Agency officials on their initial findings prior to completion of the meeting.

STATUS OF FORMATION
OF SAB PANELS

The Board has developed a revised Panel Formation Process for the recruitment of *ad-hoc* review panels. The current status of *ad hoc* panels under going this process is summarized here. For the latest detailed information, please visit our website (www.epa.gov/sab) or contact the lead SAB Staff contact identified below.

a. US EPA Science Advisory Board (SAB) Trichloroethylene Health Risk Assessment: Synthesis and Characterization Review Panel (TCE Review Panel) - This panel is being formed to review the Office of Research and Development's draft document entitled "Trichlorethylene Health Risk Assessment: Synthesis and Characterization" Information on the current status of this

review panel, with copies of panel formation documents and meeting announcements, can be found on the SAB website at:
<http://www.epa.gov/sab/tcepanel.html>.

b. US EPA Science Advisory Board (SAB) Underground Storage Tanks (UST) Cleanup and Resource Conservation Recovery Act (RCRA) Subtitle C Program Benefits, Costs, and Impacts (BCI) Review Panel - This panel is being formed to review the EPA Office of Solid Waste and Emergency Response (OSWER) documents: "Approaches to Assessing the Benefits, Costs, and Impacts of the RCRA Subtitle C Program" and "Approaches to Assessing the Benefits, Costs, and Impacts of the Office of Underground Storage Tanks Cleanup Program". Information on the current status of this review panel, with copies of panel formation documents and meeting announcements, can be found on the SAB website at:
<http://www.epa.gov/sab/ustrcrapanel.htm>

c. US EPA Science Advisory Board (SAB) Environmental Economics Advisory Committee (EEAC) Affordability Review Panel - Information on the current status of this review panel, with copies of panel formation documents and meeting announcements, can be found on the SAB website at:
<http://www.epa.gov/sab/eeacjuneagendaitems.html>

SAB REPORTS IN PROGRESS



a *PROJECTS TO BE REVIEWED AT THE JULY 16-17 EC MEETING*

DWC

- 1) Long Term Enhanced Surface Water Treatment Rule Proposal and Stage II Disinfection/Disinfectant By Product Rule Proposal

b *PROJECTS DUE FOR A LATER EC MEETINGS*

EEC

- 1) Risk Reduction Options Report

RAC

- 2) MARLAP Report

c *PROJECTS THAT DO NOT REQUIRE EC APPROVAL (CASAC & COUNCIL)*

There are none at this time.

d *PROJECTS THAT HAVE RECEIVED EC APPROVAL AND AWAIT COMPLETION*

EPEC

- 1) A Framework for Reporting on Ecological Condition: An SAB Report
- 2) Southeastern Ecological Framework: An SAB Review

EEC

- 3) Surface Impoundments Study

ABSTRACTS OF NEW REPORTS



- a** Interim Review of the Particulate Matter (PM) Research Centers: An SAB Report
EPA-SAB-EC-02-008

The PM Centers Interim Review Panel (Panel) of the US EPA Science Advisory Board (SAB) met on February 11-12, 2002 to review the Agency's PM Research Centers program as a mechanism for generating research results that can inform Agency decision-making. Its major findings and recommendations were as follows:

1. Overall, the Panel found that the program merits continuation beyond FY04 -- through a new, fully-competitive round of applications -- as one part of a diverse PM research portfolio at the Agency.

2. The Panel identified several specific advantages that the Centers approach offers over more traditional research mechanisms, including enhanced flexibility and adaptability leading to improved timeliness, ability to conduct higher-risk pilot and validation efforts, study designs enhanced by intra-center multi-disciplinary integration, and improved leveraging of the Agency's and the Centers' research resources.

3. The Panel identified several ways in which a new round of Center grants could be enhanced, either by expanding upon activities

already underway or by undertaking new efforts. Importantly, the Panel noted that while there are evident benefits of integration within and across Centers, there are also challenges to insure that the work of the Centers does not become isolated from that of other researchers within the Agency and in the academic community.

- b** Industrial Ecology: A Commentary by the EPA Science Advisory Board
EPA-SAB-EEC-COM-02-002

This commentary on Industrial Ecology was prepared by the Environmental Engineering Committee (EEC) of the EPA Science Advisory Board.

The commentary addresses Industrial Ecology, a systems approach to environmental analysis. Industrial ecology seeks to address not just industrial emissions, and not just specific products, but the complex networks of services, products, and activities that make up our economy. It emphasizes opportunities for new technologies, new processes, and economically beneficial efficiencies.

The purpose of this Commentary is two-fold: first, to bring industrial ecology to the attention of a wider audience within EPA and other agencies as an approach to meeting their missions, and second, to articulate key research needs. The SAB believes that industrial ecology could help EPA to address some of the core challenges of environmental policy, from climate change to waste management to land use policy. Achieving this potential will require rigorous research and a firm grounding in science and engineering.

This identifies the need for better understanding of the potential and limitations of a range of promising approaches including:

- a) technological innovation,
- b) voluntary and cooperative approaches to environmental management,
- c) substitution of services for products,
- d) recycling and reuse,
- e) reduction in the amounts of materials used in products, and
- f) substitution of scarce resources with those that are plentiful.

c EPA Science Advisory Board (SAB) Panel Formation Process: Immediate Steps to Improve Policies and Procedures: An SAB Commentary
EPA-SAB-EC-COM-02-003

This Commentary informs the Administrator and the public of new processes that the SAB will be using for panel formation. The new procedures are designed to ensure that SAB panelists are independent and that the panels are properly balanced; designed to make the panel formation process more transparent to the public, and designed to gain the benefit of public involvement in forming panels at the SAB.

d Review of the Agency's draft Proposed Methodology for Particulate Matter Risk Analysis for Selected Urban

Areas; an Advisory by the Clean Air Scientific Advisory Committee
EPA-SAB-CASAC-ADV-02-002

The Clean Air Scientific Advisory Committee (CASAC) Particulate Matter Review Panel reviewed the EPA draft document *Proposed Methodology for Particulate Matter Risk Analysis for Selected Urban Areas* that outlines part of the procedures to be used in preparing the human health risk assessment for PM_{2.5} that will accompany the Staff Paper on the National Ambient Air Quality Standards (NAAQS) for Particulate Matter (PM) that will be released later this year.

In its review, the Panel noted the importance that this risk analysis has in the primary standard setting process for PM. The Panel concluded that the general methodology as described in the report is appropriate. It recognizes the need to use concentration/response functions to obtain risk estimates in a series of locations. The Panel offered a number of comments that relate to the details of application of the method.

The Panel believes that the basic process is sound and provides a number of suggestions in this report and in the appendix to refine the analyses that are to be done.

COMPUTER NEWS



(1) SAB Website is within the EPA Home Page. You are invited to visit the SAB Website at URL: <http://www.epa.gov/sab>

The site offers such features as:

- (a) Full-text reports for FY1994-FY2002
- (b) Background information about the structure, function, and membership of the SAB
- (c) A projected six-month calendar of SAB meetings
- (d) Recent issues of HAPPENINGS
- (e) Draft/final agendas of upcoming meetings and draft/final minutes of past meetings.

(2) SAB Listserver - By subscribing to the free SAB Listserver, you will automatically receive copies of all Federal Register notices announcing SAB meetings, together with brief descriptions of the topics to be covered at the meetings. These notices will be e-mailed to you within 24-hours of their publication in the Federal Register.

To subscribe, simply send the following message, inserting your names,

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LASTNAME
to

listserver@unixmail.rtpnc.epa.gov

3) Obtaining copies of SAB reports:

Single hard copies of SAB reports are available for distribution by contacting, Ms. Priscilla Tillery-Gadson

Phone: (202) 564-4543

Email: tillery.priscilla@epa.gov

or

by faxing your request to
(202) 501-0256.

STAFF NEWS

Staff



The following staff member was recognized for her contributions to the OSAB at an awards presentation in May.

Patricia Thomas, Committee Evaluation Support Staff Team Leader, was recognized for her initiative, creativity, and hard work in the development and production of the EPA's Science Advisory Board's poster and computer presentation at the 2002 EPA Science Forum.

In other staff news...



E. Catesby Beck, a senior at Mary Washington College in Virginia, will join us as a summer intern from June through early August. Catesby, an economics major, will focus most of

his efforts on helping the SABs Environmental Economics Advisory Committee (EEAC) and the Council on Clean Air Compliance Analysis (COUNCIL) develop new review issues and manage existing ones. He is interested in how economic factors impact regulatory policy.

Arlene Black joined the SAB Staff as a contractor in June and will be with us until the end of July to assist the Designated Federal Officers in all aspects of meeting logistics. She is a student at the University of Maryland studying accounting and brings with her a diverse background and a wide array skills.

Renee Cooper who joined us as a "Temp" in early April, left us on May 31 for a permanent government appointment at the US Department of the Interior where she will use her paralegal training to support a team of attorneys working with the Bureau of Indian Affairs. Although only with us for two months, Renee exhibited outstanding interpersonal and technical skills, and a great work ethic. Renee supported review efforts on Trichloroethylene, Affordability and MARLAP. We will miss her!

Robert Flaak served as an Instructor for the GSA Interagency Federal Advisory Committee Management Course on May 20, lecturing on FACA Meeting Management to 50 Federal employees from some 20+ agencies. Bob has also recently been working with GSA and White House staff supporting Executive Order 13260 which established the

President's Homeland Security Advisory Council.

Angela Nugent of the SAB Staff and **Ken Wernick** of EPA's Office of General Counsel were recognized with an Agency's "S" Award for their efforts in designing and developing a revised Confidential Financial Disclosure Form. This new form was just approved by the US Office of Government Ethics as a replacement for the current form (OGE-450) that many of our SGEs have filled out in recent years. It will be used for new panels being formed this year, and be in effect for all annual submissions beginning in October 2002.

Angela Nugent spoke to the National Research Council's Committee on May 24 on Assessing and Valuing the Services of Aquatic and Related Terrestrial Ecosystems at the suggestion of the Committee Chair, Dr. Geoffrey M. Heal. She distributed and described the proposal for a new SAB Project "Valuing the Protection of Ecological Systems and Services" that was approved by the SAB Executive Committee at its March 7-8, 2002 meeting. The Committee discussed possible areas of cooperation with the SAB effort, were interested in learning about the background of the SAB project, and requested updates about the status of the project as it develops.

At the request of EPA's Office of General Counsel, **Angela Nugent** and **Robert Flaak** spoke on May 29 before an audience of over one hundred Agency

Deputy Ethics Officials about "Resolving Conflicts Issues with Special Government Employees." Angela spoke about the new **"Confidential Financial Disclosure Form for Special Government Employees Serving on Federal Advisory Committees at the U.S. Environmental Protection Agency"** approved by the Office of Government Ethics on May 23, 2002. Bob spoke about new computer-based ethics training for Special Government Employees that will be beta-tested in June and available for use in FY 2003. Both efforts were responses to issues raised in the US General Accounting Office's report of June 2001.

Priscilla Tillery-Gadson was recognized by the Administrator for her thirty (yes, that's 30) years of government service. Priscilla, who does not look a day over thirty, graciously accepted the pin and certificate, and promptly returned to work. We also are cognizant of the fine work and dedication she has shown during her many years with the SAB and look forward to more time enjoying working with her.

Zisa Lubarov-Walton, our newest Management Assistant, came to us from the Peace Corps where she worked in Procurement. Her background includes experience at the World Bank in the African and European divisions, and with KLM and Delta Airlines where she worked in customer service and flight crew operations, respectively. Zisa is fluent in Russian, has a BA in Sociology, and is enrolled in an MS program in environmental science at Johns Hopkins University. She will begin by supporting

CASAC, and the SAB Metals Assessment Panel.

BON MOT



Here in Lancaster County, Pennsylvania, many farmers are reluctant to buy into anything that smacks of technology and modern-day world. But when a local University created an agricultural web page to answer questions the farmers might have, they were pleasantly surprised to hear that the family community had nicknamed the new site "The farmers on the Dell."



Science Advisory Board

6 MONTH MEETING CALENDAR

The Science Advisory Board's **6-Month Meeting Calendar** is designed to give interested readers information concerning scheduled and planned SAB committee meetings. In addition, a Two-Month Meeting Calendar is maintained in each issue of the SAB's monthly newsletter [HAPPENINGS](#), available elsewhere on this website.

Scheduled Meetings: Dates are given for meetings that have already been scheduled. Official meeting announcements will appear in the [Federal Register](#) approximately 3 weeks prior to the scheduled meeting date. Until the meeting notice officially appears in the Federal Register, the actual meeting date and topics addressed are subject to change.

Planned Meetings: Meetings listed as To Be Announced (TBA) are planned meetings for which an actual meeting date has yet to be selected. Such meetings are listed in the month we expect the meeting to take place, however, the meeting may not take place in the month listed due to scheduling or other delays.

In all cases, the Designated Federal Officer (DFO) listed as a contact for a specific meeting can provide the latest information.

June 2002

Date	Committee	Meeting	Location	Contacts
June 5	EHC	Trichloroethylene Health Risk Assessment, Teleconference	Ariel Rios, Room 6013	DFO Dr. Angela Nugent
June 11	DWC	Candidate Contaminants List Follow-up, 6-Year Review Process & Planning, Teleconference	Ariel Rios Building, Room 6013	DFO Mr. Thomas Miller
June 13	EEAC	Affordability & OW Trading Policy	Holiday Inn Olde Town, Alexandria, VA	DFO Mr. Thomas Miller
June 18	EC Subcommittee	Benefits, Costs and Impacts of RCRA Subtitle C & UST Programs, Teleconference	Ariel Rios Building, Room 6013	DFO Dr. K. Jack Kooyoomjian

June 18-19	EHC	Trichloroethylene Health Risk Assessment	RESOLVE, Washington, DC	DFO Dr. Angela Nugent
June 27	RAC	Multi-Agency Radiological Laboratory Analytic Protocols, Teleconference	Ariel Rios Building, Room 6013	DFO Dr. K. Jack Kooyoomjian

July 2002

Date	Committee	Meeting	Location	Contacts
July 8	EC Subcommittee	Policy & Procedures Subcommittee Discussion, Teleconference	TBD	DFO Dr. Angela Nugent
July 10-12	EC Subcommittee	STAA Review	Closed	DFO Mr. A. Robert Flaak
July 16-17	EC	Review Meeting	RTP New Lab Building Conference Center, RTP, NC	DFO Mr. A. Robert Flaak
July 18	EHC	Trichloroethylene Health Risk Assessment, Teleconference	Ariel Rios Building, Room 6013	DFO Dr. Angela Nugent
July 18-19	CASAC PM Panel	Particulate Matter Criteria Document III and PM Research Strategy and possibly the PM Multiyear Plan	RTP New Lab Building Conference Center, RTP, NC	DFO Mr. A. Robert Flaak
July 30 - Aug 1	RAC	MARSSIM Supplements & MARLAP II	TBD	DFO Dr. K. Jack Kooyoomjian
TBA	EEC	RROS, Teleconference	TBD	DFO Ms. Kathleen White
TBA	EC Subcommittee	PBT/Evaluation of Metals & Metal Compounds	TBD	DFO Ms. Kathleen White

August 2002

Date	Committee	Meeting	Location	Contacts
TBA	EC Subcommittee	Contaminated Sediments Science Plan	TBD	DFO TBD
TBA	EHC	Human Health RA Research Strategy	TBD	DFO Mr. Thomas Miller

September 2002

Date	Committee	Meeting	Location	Contacts
September 18-19	CASAC PM	Particulate Matter Staff Paper Review and Particulate Matter Risk Assessment Methodology	RTP New Lab Building Conference Center, RTP, NC	DFO Mr. A. Robert Flaak

Pending Projects

Date	Committee	Meeting	Location	Contacts
TBA	EC	Review Meeting	Ariel Rios Building, Room 6013	DFO TBA
TBA	EC Subcommittee	Models Guidance	TBA	DFO TBA
TBA	EC Subcommittee	Cumulative Risk Framework	TBA	DFO TBA
TBA	EC Subcommittee	Risk Management Evaluation	TBA	DFO TBA
TBA	EPEC	Contaminated Sediments Guidance	TBA	DFO TBA
TBA	EC Subcommittee	Meta Analysis of Eco-Evaluation	TBA	DFO TBA
TBA	EEAC	Market Incentives for Water Quality	TBA	DFO TBA

TBA	CASAC	National Ambient Air Monitoring Strategy	TBA	DFO TBA
TBA	EPEC	Clean Sediment Research & Management Strategy	TBA	DFO TBA
TBA	EPEC	Landscape Status & Change	TBA	DFO TBA
TBA	varies	Various Multi-year Plans	TBA	DFO TBA

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Science Advisory Board

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Legend

- Executive Committee (EC)
- Advisory Council on Clean Air Compliance Analysis (COUNCIL)
- Clean Air Scientific Advisory Committee (CASAC)
- Drinking Water Committee (DWC)
- Ecological Processes and Effects Committee (EPEC)
- Environmental Economics Advisory Committee (EEAC)
- Environmental Engineering Committee (EEC)
- Environmental Health Committee (EHC)
- Integrated Human Exposure Committee (IHEC)
- Radiation Advisory Committee (RAC)
- Research Strategies Advisory Committee (RSAC)
- Designated Federal Officer (DFO)
- Research Triangle Park (RTP)
- To Be Announced (TBA)
- To Be Determined (TBD)



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